ABSTRACT

Method and system for a distributed navigation system. The system comprises a client integrated with a mobile communication device (e.g. PDA, cellular telephone, etc.) and a server communicating via wireless carriers and the Internet. In one embodiment, the server obtains a user's initial position, a user-designated destination, and calculates a nominal route from the user's initial position to the destination. If a deviation from the nominal route is detected, the reroute tasks are divided between the server and the client according to a corridor area surrounding the nominal route. Mapping information related to the corridor area is stored in the client, and the amount of the stored mapping information depends on the storage and/or processing capabilities of the client.

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